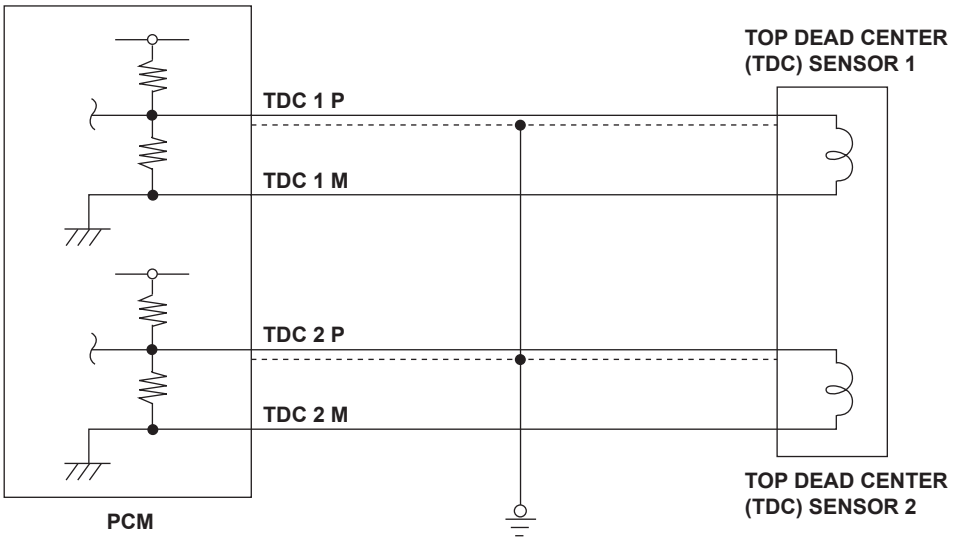
Advanced Diagnostics

DTC P1362: Top Dead Center (TDC) 1 Sensor No Signal



P1361-9802

General Description

The top dead center (TDC) sensor consists of a rotor and a pick-up coil that detects rotor position. When the rotor turns after starting the engine, the changes of magnetic flux in the pick-up coil are converted into pulsing signals to the powertrain control module (PCM). The TDC sensor detects the top dead center of each cylinder for fuel injection.
If no pulsing signals from the TDC sensor are detected, a malfunction is detected and a DTC is stored.

Monitor Execution, Sequence, Duration, DTC Type

Execution	Continuous
Sequence	None
Duration	—
DTC Type	One drive cycle, MIL ON

Enable Conditions

Condition	
State of the engine	Running
No active DTCs	CKP, CYP

Malfunction Threshold

The number of times that no TDC sensor pulses are detected has been continuously counted 75 times.

Diagnosis Details

Conditions for illuminating the MIL
When a malfunction is detected, the MIL comes on and the DTC and the freeze frame data are stored in the PCM memory.

Conditions for clearing the MIL
The MIL will be cleared if the malfunction does not recur during three consecutive trips in which the diagnostic runs.
The MIL, the DTC, and the freeze frame data can be cleared by using the scan tool Clear command or by disconnecting the battery.